Titles

To view one or many selected titles scroll down the list and click the corresponding boxes. Then click display at the t page. To view one particular document click the link above the title to display immediately.

next titles

Documents 1 to 20 of 108 from your search **"deguchi-m$"** in all the available information:
Number of titles selected from other pages: 0

☐ **Select All**

☐ 1 display full document

2006. (INZZ) Hand-held monitor of sympathetic nervous system using salivary amylase activity and its validation by driver fatigue assessment.

☐ 2 display full document

2005. (INZZ) Slip-adaptive walk of quadruped robot.

☐ 3 display full document

2005. (INZZ) Flat-chip microanalytical enzyme sensor for salivary amylase activity.

☐ 4 display full document

2005. (INZZ) Time-resolved electron paramagnetic resonance of the lowest excited triplet state of phenazinium cation.

☐ 5 display full document

2004. (INZZ) Inactivation of gram-positive bacteria using lytic enzyme mixture.

☐ 6 display full document

2004. (INZZ) Inactivation of atmospheric bacteria using lytic enzyme mixture.

☐ 7 display full document

2004. (INZZ) Critical dimension control for prevention of wafer to wafer and module to module difference.

☐ 8 display full document

2003. (INZZ) Formaldehyde degradation filter via recombinant E. coli enzyme.

☐ 9 display full document

2003. (INZZ) Field emission from diamond particles studied by scanning field emission microscopy.

☐ 10 display full document

2003. (INZZ) Field emission properties of diamond particles.

☐ 11 display full document

2002. (INZZ) Insulated probe method using transmission line for monitoring RF plasmas.

☐ 12 display full document

2002. (INZZ) Insulated modulation probe method for monitoring RF plasmas.

☐ 13 display full document

2002. (INZZ) Simple monitoring method for RF plasmas by the insulated pulse probe method.

☐ 14 display full document

2002. (INZZ) Ultra portable LCOS projector with high-performance optical system.

☐ 15 display full document

2001. (INZZ) Secondary-electron and field-emission spectroscopy/microscopy studies of chemical vapor deposition grown diamond particles.

☐ 16 display full document

2001. (INZZ) Convenient RF plasma monitoring technique by insulated probe method.

☐ 17 display full document

2001. (INZZ) A new type plasma reactor to abate CF/sub 4/ in atmospheric pressure.

☐ 18 display full document

2002. (INZZ) On the effect of film deposition on probe surface in measurement by the insulated pulse probe method.

☐ 19 display full document

2001. (INZZ) Field-emission spectroscopy/microscopy studies of chemical-vapor- deposition-grown diamond particles.

☐ 20 display full document

2001. (INZZ) TCP/IP protocol software based on the Task-Protocol.

Selection	Display Format	Output Format	ERA SM Electronic Redistribution & Archivir
◉ from this page ○ from all pages	◉ Full ○ Free ○ Short ○ Medium ○ Custom Help with Formats	◉ HTML ○ Tagged (for tables) ○ PDF ○ RTF ○ XML	Copies you will redistribute: Employees who will access archived record (s): Help with ERA

Sort your entire search result by Publication year Ascending

Top - News & FAQS - Dialog

Google Scholar BETA

attributes list deleting 3D "optimization model" Search

Advanced Scholar Search
Scholar Preferences
Scholar Help

Scholar

Results **1** - **5** of **5** for **attributes list deleting 3D "optimization model"**. (**2.23** seconds)

Tip: Try removing quotes from your search to get more results.

A Probabilistic Room Location Service for Wireless Networked Environments - group of 10 »

All articles Recent articles

P Castro, P Chiu, T Kremenek, R Muntz - Proceedings of the 3rd international conference on ..., 2001 - Springer
... display for recording, calibrating, and **deleting** locations (bottom) ... if you want to
add **attributes** to location ... delete locations from the location **list** using the ...
Cited by 106 - Web Search - BL Direct

Master's Thesis - group of 2 »

JM Splain - techreports.isr.umd.edu
... between the **optimization model** and the user interface. ... vi **LIST** OF ABBREVIATIONS ...
components has several **attributes** such as the process used to fasten the ...
View as HTML - Web Search

[BOOK] Adaptive And Natural Computing Algorithms: Proceedings of the International Conference in Coimbra, ...

B Ribeiro, RF Albrecht, A Dobnikar, DW Pearson, NC ... - 2005 - books.google.com
... M. Boudour, A. Hellal **3D** Self-organizing Convex Neural ... Liang A Hybrid Particle Swarm
Optimization Model for the ... M. Affenzeller The Satellite **List**: A Reversible ...
Web Search - Library Search

[BOOK] Advances in Data Mining and Modeling

KP Ng - 2003 - books.google.com
... They propose a Fisher **optimization model** in gene selection and ... can also be associated
with an id-**list**. ... 2 in L *. Ifthe sequenceobtained by **deleting** the first ...
Web Search

[BOOK] Ubicomp 2001: Ubiquitous Computing: Third International Coference, Atlanta, Georgia, Usa, September ...

GD Abowd, B Brumitt, S Shafer - 2001 - books.google.com
... (Japan) **List** of Reviewers ... In the GeoNotes system the title will appear as a header
in the **list** ofnotes in a particular place (see below and Fig. ...
Web Search

attributes list deleting 3D "optimizati Search

Google Home - About Google - About Google Scholar

Sign in

Web Images Groups News Froogle Maps more »

Masahira Deguchi "attributes" Search Advanced Search Preferences

Web Results **1** - **4** of **4** for **Masahira Deguchi "attributes"**. (**0.33** seconds)

Tip: Try removing quotes from your search to get more results.

Bandwidth Market, Ltd
Kind Code, A1. **Deguchi**, **Masahira**, May 10, 2001 ... in This explanation, the basic shapes are referred to as **attributes**. ...
www.bandwidthmarket.com/resources/ patents/apps/2001/5/20010000963.html - 133k - Supplemental Result - Cached - Similar pages

[PDF] Computer Assisted Radiology and Surgery Program Computer Assisted ...
File Format: PDF/Adobe Acrobat - View as HTML
isolate features and **attributes** of interest for specific applications. ... H. Nakabayashi, KC Park, S. Yamada, M. Nakasato, N. **Masahira**, ...
www.cars-int.org/pdf2006/CARS%20Programm%202006.pdf - Similar pages

2006-03-29T13:10:07Z http://eprints.lib.hokudai.ac.jp/dspace-oai ...
File Format: Unrecognized - View as HTML
Part of the doctoral thesis entitled "**Attributes** of successful reorganization of ... hdl_2115_400 **Deguchi**, Kisaburo Takegawa, Yasuhiro Ito, Hiroki Miura, ...
eprints.lib.hokudai.ac.jp/dspace-oai/request?verb=ListRecords& from=2006-03-16&metadataPrefix=oai_dc - Similar pages

2006-03-29T13:09:27Z http://eprints.lib.hokudai.ac.jp/dspace-oai ...
File Format: Unrecognized
Part of the doctoral thesis entitled "**Attributes** of successful reorganization of ... Mitsuyo Yamashita, Atsushi Sasaki, Nobuya Hattori, **Masahira** Kanayama, ...
eprints.lib.hokudai.ac.jp/dspace-oai/request?verb=ListRecords& from=2006-02-27&metadataPrefix=oai_dc - Similar pages

Try your search again on Google Book Search

New! Crack the Code: Play the Da Vinci Code Quest on Google.

Masahira Deguchi "attributes" Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

Google Scholar BETA

attributes list deleting 3D "optimization model" Search

Advanced Scholar Search
Scholar Preferences
Scholar Help

Scholar Results **1** - **5** of **5** for **attributes list deleting 3D "optimization model"**. (**2.23** seconds)

Tip: Try removing quotes from your search to get more results.

A Probabilistic Room Location Service for Wireless Networked Environments - group of 10 »

All articles Recent articles

P Castro, P Chiu, T Kremenek, R Muntz - Proceedings of the 3rd international conference on ..., 2001 - Springer
... display for recording, calibrating, and **deleting** locations (bottom) ... if you want to add **attributes** to location ... delete locations from the location **list** using the ...
Cited by 106 - Web Search - BL Direct

Master's Thesis - group of 2 »
JM Splain - techreports.isr.umd.edu
... between the **optimization model** and the user interface. ... vi **LIST** OF ABBREVIATIONS ... components has several **attributes** such as the process used to fasten the ...
View as HTML - Web Search

[BOOK] Adaptive And Natural Computing Algorithms: Proceedings of the International Conference in Coimbra, ...
B Ribeiro, RF Albrecht, A Dobnikar, DW Pearson, NC ... - 2005 - books.google.com
... M. Boudour, A. Hellal **3D** Self-organizing Convex Neural ... Liang A Hybrid Particle Swarm **Optimization Model** for the ... M. Affenzeller The Satellite **List**: A Reversible ...
Web Search - Library Search

[BOOK] Advances in Data Mining and Modeling
KP Ng - 2003 - books.google.com
... They propose a Fisher **optimization model** in gene selection and ... can also be associated with an id-**list**. ... 2 in L *. Ifthe sequenceobtained by **deleting** the first ...
Web Search

[BOOK] Ubicomp 2001: Ubiquitous Computing: Third International Coference, Atlanta, Georgia, Usa, September ...
GD Abowd, B Brumitt, S Shafer - 2001 - books.google.com
... (Japan) **List** of Reviewers ... In the GeoNotes system the title will appear as a header in the **list** ofnotes in a particular place (see below and Fig. ...
Web Search

attributes list deleting 3D "optimizati Search

Google Home - About Google - About Google Scholar

Google Scholar attributes list deleting 3D "optimization model" Search
Advanced Scholar Search
Scholar Preferences
Scholar Help

Scholar Results **1** - **5** of **5** for **attributes list deleting 3D "optimization model"**. (**2.23** seconds)

Tip: Try removing quotes from your search to get more results.

A Probabilistic Room Location Service for Wireless Networked Environments - group of 10 »
All articles Recent articles
P Castro, P Chiu, T Kremenek, R Muntz - Proceedings of the 3rd international conference on ..., 2001 - Springer
... display for recording, calibrating, and **deleting** locations (bottom) ... if you want to add **attributes** to location ... delete locations from the location **list** using the ...
Cited by 106 - Web Search - BL Direct

Master's Thesis - group of 2 »
JM Splain - techreports.isr.umd.edu
... between the **optimization model** and the user interface. ... vi **LIST** OF ABBREVIATIONS ... components has several **attributes** such as the process used to fasten the ...
View as HTML - Web Search

[BOOK] Adaptive And Natural Computing Algorithms: Proceedings of the International Conference in Coimbra, ...
B Ribeiro, RF Albrecht, A Dobnikar, DW Pearson, NC ... - 2005 - books.google.com
... M. Boudour, A. Hellal **3D** Self-organizing Convex Neural ... Liang A Hybrid Particle Swarm **Optimization Model** for the ... M. Affenzeller The Satellite **List**: A Reversible ...
Web Search - Library Search

[BOOK] Advances in Data Mining and Modeling
KP Ng - 2003 - books.google.com
... They propose a Fisher **optimization model** in gene selection and ... can also be associated with an id-**list**. ... 2 in L *. Ifthe sequenceobtained by **deleting** the first ...
Web Search

[BOOK] Ubicomp 2001: Ubiquitous Computing: Third International Coference, Atlanta, Georgia, Usa, September ...
GD Abowd, B Brumitt, S Shafer - 2001 - books.google.com
... (Japan) **List** of Reviewers ... In the GeoNotes system the title will appear as a header in the **list** ofnotes in a particular place (see below and Fig. ...
Web Search

attributes list deleting 3D "optimizati Search

Google Home - About Google - About Google Scholar

ProQuest®

Databases selected: ProQuest Dissertations and Theses - Full Text

Searching for *author(Masahira Deguchi)* did not find any documents. Try the following:

Revise your search below using the following tips:

- Check your spelling.
- Reduce the number of terms included in your search.
- Broaden your search by selecting other databases, removing limits, or searching "Citations and Document Text" (if available).
- Use "AND" to connect two words that don't need to be searched as a phrase.
- Connect similar terms with the "OR" operator (e.g. military OR pentagon). See Search Tips for more hints.

Basic Search

Tools: Search Tips 1 Recent Searches

author(Masahira Deguchi) Search Clear

Database: Interdisciplinary - Dissertations and Theses Select multiple databases

Date range: All dates

Limit results to: ☐ Full text documents only

☐ Doctoral dissertations only About

More Search Options

ProQuest

Nothing Found

Your search for **"Masahira Deguchi"** did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

- Enter your search terms in lower case with a space between the terms.

  ```
  sales offices
  ```

  You can also enter a full question or concept in plain language.

  ```
  Where are the sales offices?
  ```

- Capitalize proper nouns to search for specific people, places, or products.

  ```
  John Colter, Netscape Navigator
  ```

- Enclose a phrase in double quotes to search for that exact phrase.

  ```
  "museum of natural history" "museum of modern art"
  ```

- Narrow your searches by using a + if a search term must appear on a page.

  ```
  museum +art
  ```

- Exclude pages by using a - if a search term must not appear on a page.

  ```
  museum -Paris
  ```

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

```
museum +"natural history" dinosaur -Chicago
```

Terms used **optimization redundant attributes three dimensional** and **shapes**

Found **13,017** of **175,083**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

☐ Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

1 Three-dimensional alpha shapes

Herbert Edelsbrunner, Ernst P. Mücke

January 1994 **ACM Transactions on Graphics (TOG)**, Volume 13 Issue 1

Publisher: ACM Press

Full text available: pdf(8.86 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Frequently, data in scientific computing is in its abstract form a finite point set in space, and it is sometimes useful or required to compute what one might call the "shape" of the set. For that purpose, this article introduces the formal notion of the family of &agr;-shapes of a finite point set in R3. Each shape is a well-defined polytope, derived from the Delaunay triangulation of the point set, with a parameter &agr; &egr; R controlling the desired lev ...

Keywords: Delaunay triangulations, computational graphics, geometric algorithms, point sets, polytopes, robust implementation, scientific computing, scientific visualization, simplicial complexes, simulated perturbation, three-dimensional space

2 Three-dimensional alpha shapes

Herbert Edelsbrunner, Ernst P. Mücke

December 1992 **Proceedings of the 1992 workshop on Volume visualization VVS '92**

Publisher: ACM Press

Full text available: pdf(1.11 MB) Additional Information: full citation, references, citings, index terms

3 Efficient algorithms for geometric optimization

Pankaj K. Agarwal, Micha Sharir

December 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(577.74 KB) Additional Information: full citation, abstract, references, citings, index terms

We review the recent progress in the design of efficient algorithms for various problems in geometric optimization. We present several techniques used to attack these problems, such as parametric searching, geometric alternatives to parametric searching, prune-and-

search techniques for linear programming and related problems, and LP-type problems and their efficient solution. We then describe a wide range of applications of these and other techniques to numerous problems in geometric optim ...

Keywords: clustering, collision detection, linear programming, matrix searching, parametric searching, proximity problems, prune-and-search, randomized algorithms

4 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.07 MB) Additional Information: full citation, abstract

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

5 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB) Additional Information: full citation, abstract

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

6 Collision detection and proximity queries

Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(11.22 MB) Additional Information: full citation, abstract

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

7 Real world applications: Three dimensional evolutionary aerodynamic design optimization with CMA-ES

Martina Hasenjäger, Bernhard Sendhoff, Toyotaka Sonoda, Toshiyuki Arima

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available: pdf(2.37 MB) Additional Information: full citation, abstract, references, index terms

In this paper, we present the application of evolutionary optimization methods to a demanding, industrially relevant engineering domain, the three-dimensional optimization of gas turbine stator blades. This optimization problem is high-dimensional search and computationally very expensive. We show that, despite of its difficulty, the problem is feasible. Our approach not only successfully optimizes the aerodynamic design but also yields interesting results from an engineering point of view.

Keywords: covariance matrix adaptation, design optimization, evolutionary strategies, real world application

8 Facial modeling and animation

Jörg Haber, Demetri Terzopoulos

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(18.15 MB) Additional Information: full citation, abstract

In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. As a necessary prerequisite for facial modeling, data acquisition is discussed in detail. We describe basic concepts of facial animation and present different approaches including parametric models, performance-, physics-, and learning-based methods. State-of-the-art techniques such as muscle-based facial animation, mass-s ...

9 View planning for automated three-dimensional object reconstruction and inspection

William R. Scott, Gerhard Roth, Jean-François Rivest

March 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 1

Publisher: ACM Press

Full text available: pdf(517.25 KB) Additional Information: full citation, abstract, references, index terms

Laser scanning range sensors are widely used for high-precision, high-density three-dimensional (3D) reconstruction and inspection of the surface of physical objects. The process typically involves planning a set of views, physically altering the relative object-sensor pose, taking scans, registering the acquired geometric data in a common coordinate frame of reference, and finally integrating range images into a nonredundant model. Efficiencies could be achieved by automating or semiautomating ...

Keywords: View planning, object inspection, object reconstruction, range images

10 Gross motion planning—a survey

Yong K. Hwang, Narendra Ahuja

September 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 3

Publisher: ACM Press

Full text available: pdf(6.40 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Motion planning is one of the most important areas of robotics research. The complexity of the motion-planning problem has hindered the development of practical algorithms. This paper surveys the work on gross-motion planning, including motion planners for point robots, rigid robots, and manipulators in stationary, time-varying, constrained, and movable-object environments. The general issues in motion planning are explained. Recent approaches and their performances are briefly described, a ...

Keywords: collision detection, computational geometry, implementation, motion planning, obstacle avoidance, path planning, spatial representation

11 Projectors: advanced graphics and vision techniques

Ramesh Raskar

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(6.53 MB) Additional Information: full citation

12 Evolutionary strategies and evolutionary programming: Morphing methods in evolutionary design optimization

Michael Nashvili, Markus Olhofer, Bernhard Sendhoff

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available: pdf(446.38 KB) Additional Information: full citation, abstract, references, index terms

Design optimization is a well established application field of evolutionary computation. However, standard recombination operators acting on the genotypic representation of the design or shape are often too disruptive to be useful during optimization. In this work, we will analyze whether morphing methods between two shapes can be used as recombination operators acting on the phenotype space, thus directly on the shape or design. We introduce three different morphing methods and employ them as r ...

Keywords: design optimization, evolution strategies, morphing methods, phenotypic recombination

13 Optimization: Optimized color gamuts for tiled displays

Marshall Bern, David Eppstein

June 2003 **Proceedings of the nineteenth annual symposium on Computational geometry**

Publisher: ACM Press

Full text available: pdf(155.36 KB) Additional Information: full citation, abstract, references, citings, index terms

We consider the problem of finding a large color space that can be generated by all units in multi-projector tiled display systems. Viewing the problem geometrically as one of finding a large parallelepiped within the intersection of multiple parallelepipeds, and using colorimetric principles to define a volume-based objective function for comparing feasible solutions, we develop an algorithm for finding the optimal gamut in time $O(n^3)$, where n denotes the number of proj ...

Keywords: additive color, color gamuts, gamut mapping, geometric optimization, high-resolution display systems, quasiconvex programming, tiled displays

14 Skeleton-based modeling operations on solids

Duane W. Storti, George M. Turkiyyah, Mark A. Ganter, Chek T. Lim, Derek M. Stal

May 1997 **Proceedings of the fourth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available: Additional Information:

pdf(2.02 MB) full citation, references, citings, index terms

15 Creating models of truss structures with optimization

Jeffrey Smith, Jessica Hodgins, Irving Oppenheim, Andrew Witkin

July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques SIGGRAPH '02**, Volume 21 Issue 3

Publisher: ACM Press

Full text available: pdf(2.99 MB) Additional Information: full citation, abstract, references, index terms

We present a method for designing truss structures, a common and complex category of buildings, using non-linear optimization. Truss structures are ubiquitous in the industrialized world, appearing as bridges, towers, roof supports and building exoskeletons, yet are complex enough that modeling them by hand is time consuming and tedious. We represent trusses as a set of rigid bars connected by pin joints, which may change location during optimization. By including the location of the joints as w ...

Keywords: constrained optimization, nonlinear optimization, physically based modeling, truss structures

16 Computational strategies for object recognition

Paul Suetens, Pascal Fua, Andrew J. Hanson

March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(6.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

17 As-rigid-as-possible shape interpolation

Marc Alexa, Daniel Cohen-Or, David Levin

July 2000 **Proceedings of the 27th annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: pdf(1.81 MB) Additional Information: full citation, abstract, references, citings, index terms

We present an object-space morphing technique that blends the interiors of given two- or three-dimensional shapes rather than their boundaries. The morph is rigid in the sense that local volumes are least-distorting as they vary from their source to target configurations. Given a boundary vertex correspondence, the source and target shapes are decomposed into isomorphic simplicial complexes. For the simplicial complexes, we find a closed-form expression allocating the paths of both boundary ...

Keywords: compatible triangulation, shape blending, vertex path problem

18 On defining application-specific high-level array operations by means of shape-invariant programming facilities

Sven-Bodo Scholz

July 1998 **ACM SIGAPL APL Quote Quad , Proceedings of the APL98 conference on Array processing language APL '98**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: pdf(583.03 KB) Additional Information: full citation, abstract, references, citings, index terms

Most of the existing high-level array-processing languages support a fixed set of pre-defined array *operations* and a few higher-order functions for constructing new array operations from existing ones. In this paper, we discuss a more general approach made feasible by SAC (for Single Assignement C), a functional variant of C.SAC provides a meta-level language construct called WITH-loop which may be considered a sophisticated variant of the FORALL-loops ...

Keywords: compilation, high-level array operations, meta-level programming, performance comparison, shape-invariant programming

19 14.9 TFLOPS three-dimensional fluid simulation for fusion science with HPF on the Earth Simulator

Hitoshi Sakagami, Hitoshi Murai, Yoshiki Seo, Mitsuo Yokokawa

November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing**

Publisher: IEEE Computer Society Press

Full text available: pdf(522.96 KB) Additional Information: full citation, abstract, references, index terms

We succeeded in getting 14.9 TFLOPS performance when running a plasma simulation code IMPACT-3D parallelized with High Performance Fortran on 512 nodes of the Earth Simulator. The theoretical peak performance of the 512 nodes is 32 TFLOPS, which means 45% of the peak performance was obtained with HPF. IMPACT-3D is an implosion analysis code using TVD scheme, which performs three-dimensional compressible and inviscid Eulerian fluid computation with the explicit 5-point stencil scheme for spatial ...

20 Session 1A: Combinatorial optimization problems in self-assembly

Len Adleman, Qi Cheng, Ashish Goel, Ming-Deh Huang, David Kempe, Pablo Moisset de Espanés, Paul Wilhelm Karl Rothemund

May 2002 **Proceedings of the thiry-fourth annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available: pdf(773.93 KB) Additional Information: full citation, abstract, references, citings, index terms

Self-assembly is the ubiquitous process by which simple objects autonomously assemble into intricate complexes. It has been suggested that intricate self-assembly processes will ultimately be used in circuit fabrication, nano-robotics, DNA computation, and amorphous computing. In this paper, we study two combinatorial optimization problems related to efficient self-assembly of shapes in the Tile Assembly Model of self-assembly proposed by Rothemund and Winfree [18]. The first is the Minimum Tile ...

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L18	762	(attributes same redundant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 13:53
2	BRS	L19	762	(attributes same redundant) and (attribute$2 same redund$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 13:54
3	BRS	L20	185	(attributes same redundant) and (attribute$2 same redund$6) and (attributes same delet$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 13:55
4	BRS	L21	128	(attributes same redundant) and (attribute$2 same redund$6) and (attributes same delet$5) and (attribute$2 same list$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 13:57
5	BRS	L22	60	(attributes same redundant) and (attribute$2 same redund$6) and (attributes same delet$5) and (attribute$2 same list$3) and optimiz$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 13:58

	Type	L #	Hits	Search Text	DBs	Time Stamp
6	BRS	L23	7	(attributes same redundant) and (attribute$2 same redund$6) and (attributes same delet$5) and (attribute$2 same list$3) and (optimiz$4 same model$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:06
7	BRS	L24	0	(attributes same redundant) and (attribute$2 same redund$6) and (attributes same delet$5) and (attribute$2 same list$3) and (optimiz$4 same model$3) and (3D)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:07
8	BRS	L25	837	(attributes same (three-dimensional) same model$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:09
9	BRS	L26	89	(attributes same (three-dimensional) same model$3) and (attributes same list$3) and (attributes same delet$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:10
10	BRS	L27	20	(attributes same (three-dimensional) same model$3) and (attributes same list$3) and (attributes same delet$3) and (attribute same (chang$3 or amend$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:12

	Type	L #	Hits	Search Text	DBs	Time Stamp
11	BRS	L28	17	(attributes same (three-dimensional) same model$3) and (attributes same list$3) and (attributes same delet$3) and (attribute same (chang$3 or amend$3)) and (attribute$2 same information)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:14
12	BRS	L29	4	(attributes same (three-dimensional) same model$3) and (attributes same list$3) and (attributes same delet$3) and (attribute same (chang$3 or amend$3)) and (attribute$2 same information) and optim$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:22
13	BRS	L30	1	(attributes same (three-dimensional) same model$3) and (attributes same list$3) and (attributes same delet$3) and (attribute same (chang$3 or amend$3)) and (attribute$2 same information) and optim$4 and redund$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:27
14	BRS	L33	1	(detection adj unit) and (redundant adj attributes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:27
15	BRS	L34	38	(redundant adj attributes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:28

	Type	L #	Hits	Search Text	DBs	Time Stamp
16	BRS	L35	11	(redundant adj attributes) and (three adj dimensional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:28
17	BRS	L36	6	(redundant adj attributes) and (three adj dimensional) and list and delete and (amend or chang$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:30
18	BRS	L37	48	(optim$3 and attributes).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:31
19	BRS	L38	258	(attribute same redundant) and (attribute same plural$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:32
20	BRS	L39	117	(attribute same redundant) and (attribute same plural$3) and (attribute same list)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:32

	Type	L #	Hits	Search Text	DBs	Time Stamp
21	BRS	L40	61	(attribute same redundant) and (attribute same plural$3) and (attribute same list) and (attribute same delet$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:35
22	BRS	L41	20	(attribute same redundant) and (attribute same plural$3) and (attribute same list) and (attribute same delet$3) and (compare same attribute)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:54
23	BRS	L42	82	(attribute same redundant) and (attribute same shape$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:54
24	BRS	L43	14	(attribute same redundant) and (attribute same shape$2) and ((three adj dimension$2) same attribute$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 14:56
25	BRS	L44	2380	345/419.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:10
26	BRS	L45	413	345/419.ccls. and attributes	USPAT	2006/04/22 15:11

	Type	L #	Hits	Search Text	DBs	Time Stamp
27	BRS	L46	661	345/419.ccls. and attributes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:12
28	BRS	L47	75	345/419.ccls. and attributes and redundant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:12
29	BRS	L48	8	345/419.ccls. and (attributes same redundant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:15
30	BRS	L49	0	382/190.ccls. and (attributes same redundant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:16
31	BRS	L50	1206	382/190.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2006/04/22 15:16